



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

RS- Lower Cost Leadfree No Clean Solder Wire

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	RS- Lower Cost Leadfree No Clean Solder Wire
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Soldering.
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1.3. Details of the supplier of the safety data sheet

Company	RS Components Ltd
Address	Birchington Road Corby Northants NN17 9RS
Telephone	+44(0)1536 402888
Email	RCustomerServicesUK@rs-components.com

Local Supplier

Company	RS Components Ltd
Address	Glenview Ind.Est. Herberton Road Rialto Dublin 12 Ireland
Telephone	+353(0)14153100
Email	enquiries.ie@rs-components.com

1.4. Emergency telephone number

Emergency telephone number	+44 1865407333 24 Hours
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Sens. 1: H317;
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2.2. Label elements

Hazard pictograms



Signal Word

Warning

Hazard Statement

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Precautionary Statement: Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
Precautionary Statement: Disposal	Dispose of in compliance with all local and national regulations

Further information

	CAUTION CONTAINS ROSIN: Exposure to this material may cause certain sensitive individuals to develop eczema and/or asthma. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of asthma allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Tin (Tin compounds, inorganic, except SnH ₄ , (as Sn))		7440-31-5	231-141-8	01-2119486474-28	90-100%	
Natural Rosin		65997-05-9	500-163-2	01-2119960933-37	1 - 5%	Skin Sens. 1: H317;
Copper					0-1%	Acute Tox. 4: H302; Skin Irrit. 2: H315; STOT SE 3: H335;
Cobalt (Metal) (Cobalt & cobalt compounds (as Co))		7440-48-4	231-158-0	01-2119488910-30	<0.1%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Prolonged or repeated exposure may cause:.. Sensitization.
Eye contact	Prolonged or repeated exposure may cause:.. Irritating to eyes.
Skin contact	Prolonged or repeated exposure may cause:.. Skin irritation and dermatitis.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon oxides.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

No precautions required to be mentioned.

6.3. Methods and material for containment and cleaning up

Sweep up. Transfer to suitable, labelled containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

Soldering.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Hand protection

Chemical resistant gloves (PVC).

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.3. Environmental exposure controls

Not normally required.

Occupational exposure controls

Appropriate local exhaust ventilation is required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Solid
Colour	dark grey
Odour	Characteristic
Melting point	227 °C
Flash point	> 115 °C
Autoignition temperature	> 226 °C
Solubility	Slightly soluble in water

SECTION 10: Stability and reactivity

10.1. Reactivity

no data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

None.

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10.5. Incompatible materials

Avoid contact with: Acids. Oxidising agents.

10.6. Hazardous decomposition products

aliphatic hydrocarbons. Acids. may be formed in fire conditions.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	No Significant Hazard.
Skin corrosion/irritation	Irritating to eyes.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No Significant Hazard.

SECTION 12: Ecological information**12.2. Persistence and degradability**

Not readily biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

No data is available on this product.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information**14.1. UN number**

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 2 - Further information.
Text of Hazard Statements in Section 3	Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H302 - Harmful if swallowed. Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H335 - May cause respiratory irritation.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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